

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM110520\
 Data File : BM027708.D
 Acq On : 05 Nov 2020 06:48
 Operator : JU/CG
 Sample : SP5331
 Misc : SFAM SIM SPIKE
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP5331

Quant Time: Nov 05 07:25:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM110520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 04:58:48 2020
 Response via : Initial Calibration

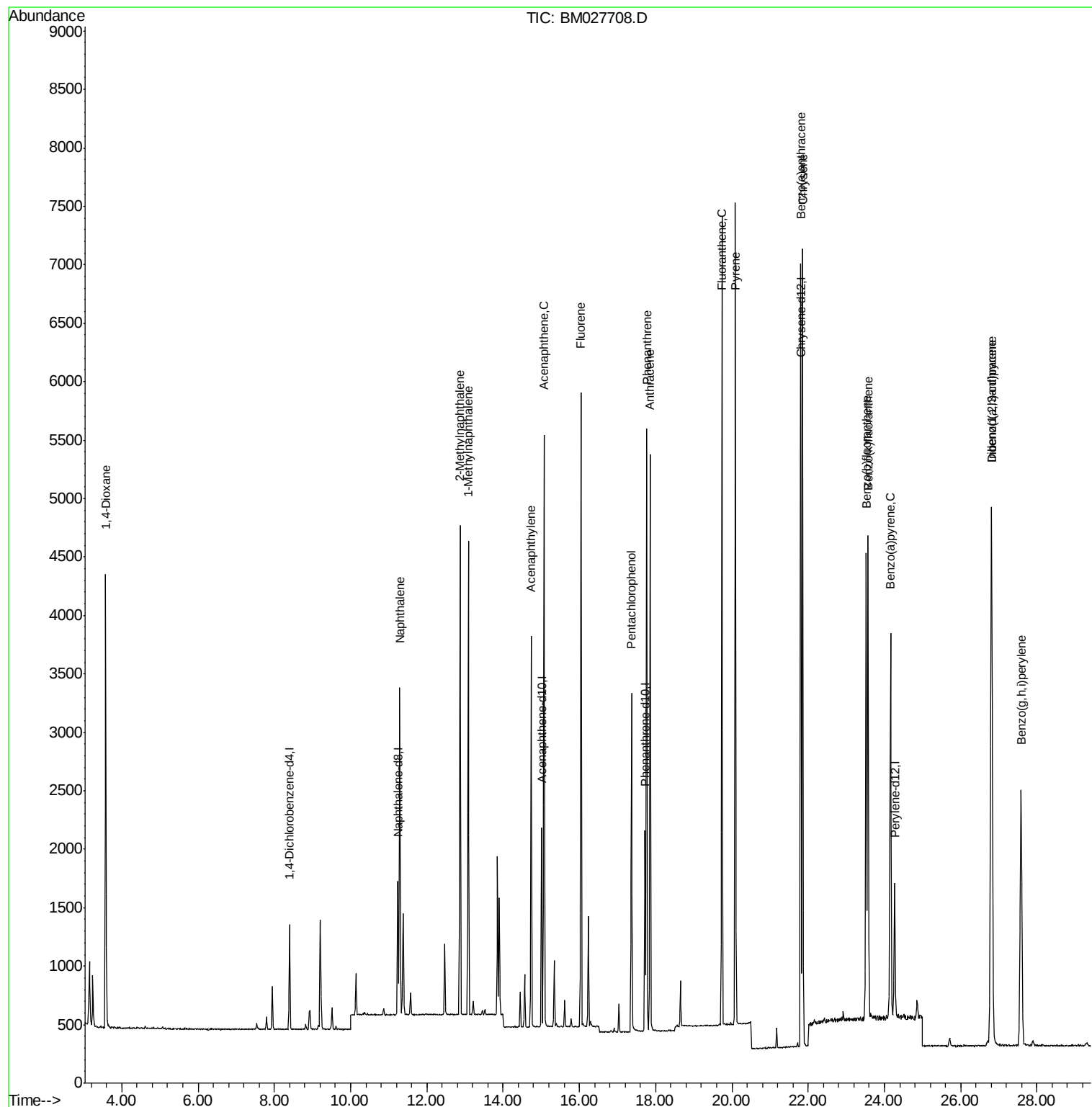
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	441	0.40	ng/ul	0.00
4) Naphthalene-d8	11.24	136	1499	0.40	ng/ul	0.00
9) Acenaphthene-d10	15.01	164	951	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.72	188	2103	0.40	ng/ul	0.00
19) Chrysene-d12	21.82	240	1786	0.40	ng/ul	0.00
23) Perylene-d12	24.27	264	1594	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/ul	
6) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng/ul	
17) Fluoranthene-d10	0.00	212	0d	0.00	ng/ul	
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.58	88	2120	4.354	ng/ul	91
5) Naphthalene	11.29	128	3692	0.869	ng/ul	94
7) 2-Methylnaphthalene	12.87	142	2527	0.863	ng/ul	100
8) 1-Methylnaphthalene	13.09	142	2414	0.873	ng/ul	98
10) Acenaphthylene	14.74	152	3649	0.859	ng/ul	96
11) Acenaphthene	15.07	153	2801	0.868	ng/ul	97
12) Fluorene	16.04	166	3340	0.875	ng/ul	98
14) Pentachlorophenol	17.36	266	1862	2.685	ng/ul	96
15) Phenanthrene	17.76	178	5217	0.850	ng/ul	95
16) Anthracene	17.85	178	5180	0.860	ng/ul	97
18) Fluoranthene	19.74	202	6047	0.845	ng/ul#	97
20) Pyrene	20.09	202	6091	0.874	ng/ul	97
21) Benzo(a)anthracene	21.80	228	5673	0.868	ng/ul	99
22) Chrysene	21.86	228	5852	0.873	ng/ul	99
24) Benzo(b)fluoranthene	23.52	252	5609	0.875	ng/ul	96
25) Benzo(k)fluoranthene	23.57	252	5566	0.872	ng/ul#	96
26) Benzo(a)pyrene	24.16	252	5116	0.882	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.80	276	6251	0.916	ng/ul#	99
28) Dibenzo(a,h)anthracene	26.82	278	5212	0.919	ng/ul#	94
29) Benzo(g,h,i)perylene	27.59	276	5240	0.912	ng/ul#	93

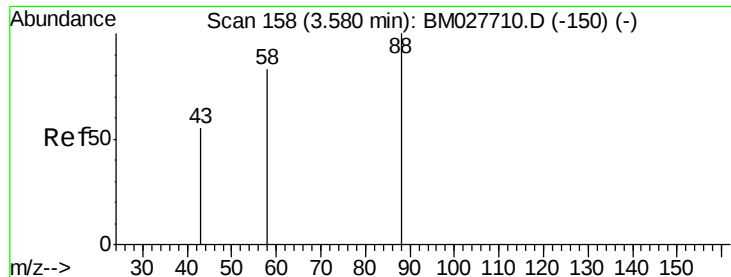
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 4.354 ng/ul

RT: 3.58 min Scan# 157

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

Instrument :

BNA_M

ClientSampleId :

SP5331

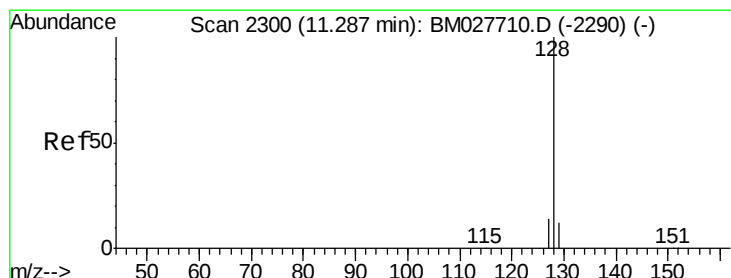
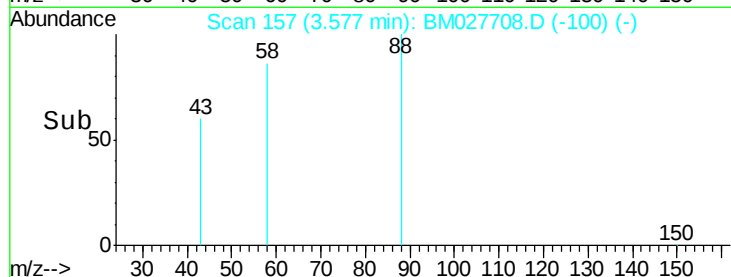
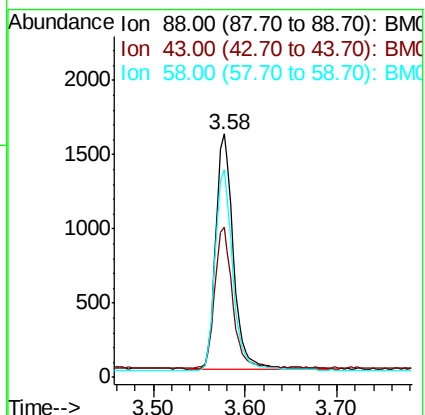
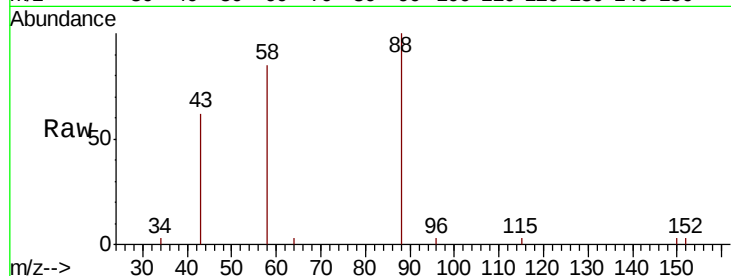
Tot Ion: 88 Resp: 2120

Ion Ratio Lower Upper

88 100

43 61.8 61.8 92.6

58 85.4 67.8 101.8



#5

Naphthalene

Concen: 0.869 ng/ul

RT: 11.29 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

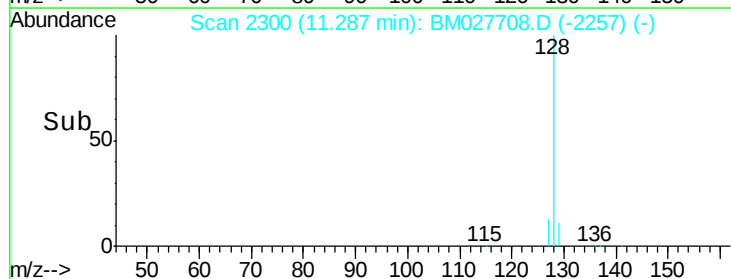
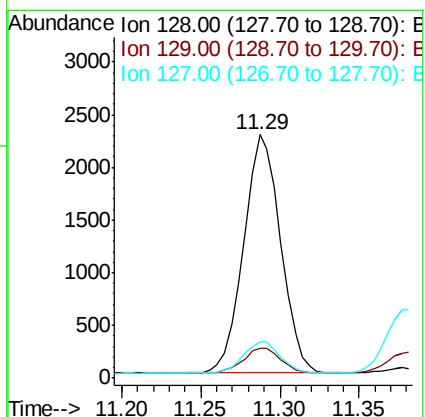
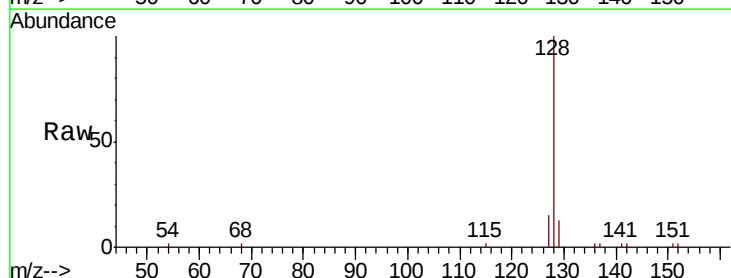
Tgt Ion: 128 Resp: 3692

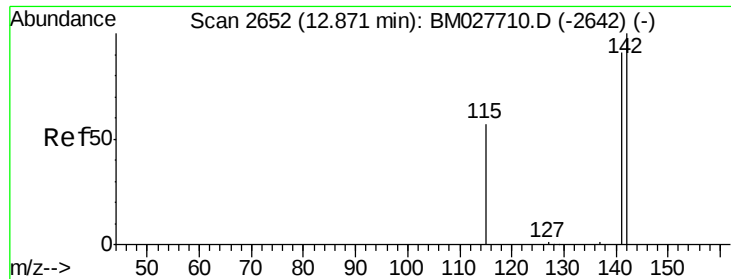
Ion Ratio Lower Upper

128 100

129 12.5 11.7 17.5

127 14.9 14.0 21.0





#7

2-Methylnaphthalene

Concen: 0.863 ng/ul

RT: 12.87 min Scan# 2652

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

Instrument :

BNA_M

ClientSampleId :

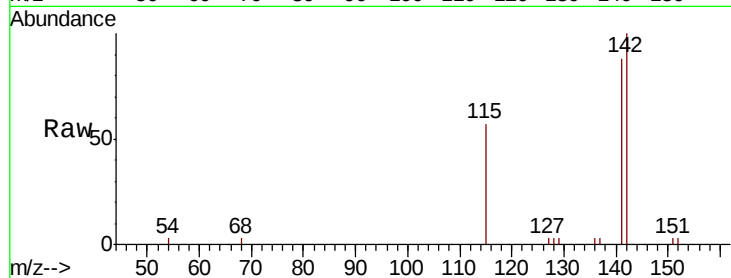
SP5331

Tot Ion:142 Resp: 2527

Ion Ratio Lower Upper

142 100

141 89.0 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.87

1500

1000

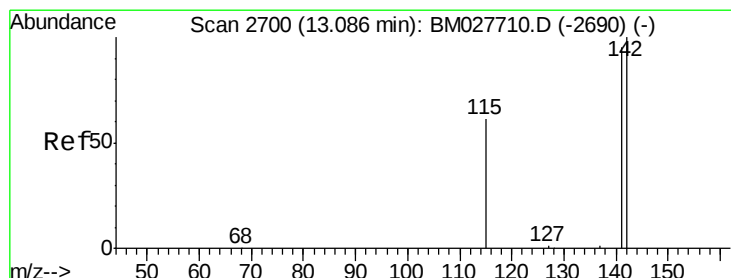
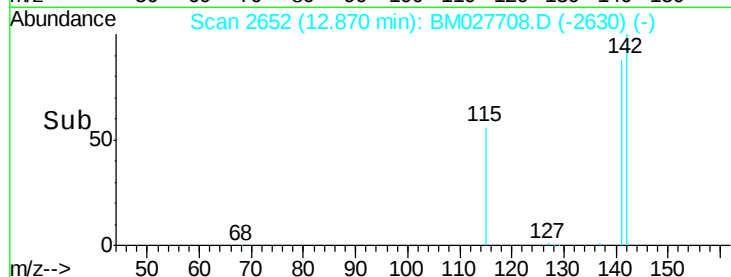
500

0

Time-->

12.80

12.90



#8

1-Methylnaphthalene

Concen: 0.873 ng/ul

RT: 13.09 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BM027708.D

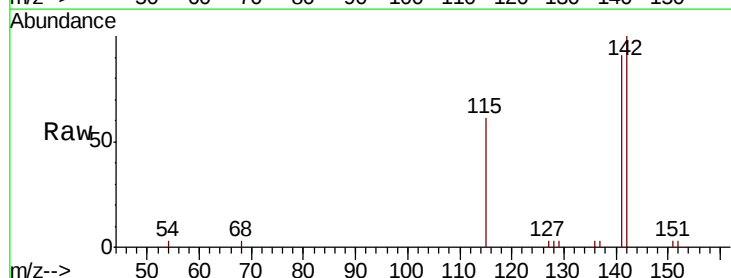
Acq: 05 Nov 2020 06:48

Tgt Ion:142 Resp: 2414

Ion Ratio Lower Upper

142 100

141 90.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.09

1500

1000

500

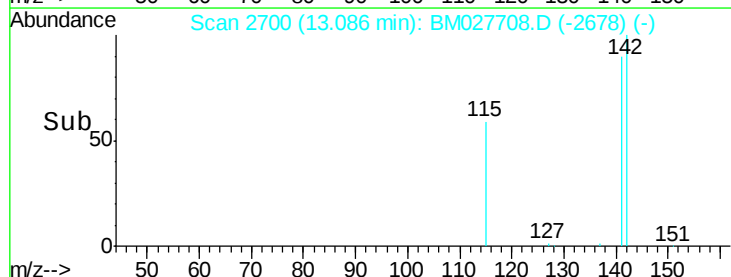
0

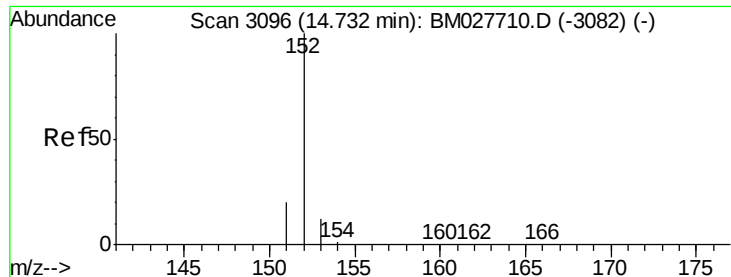
Time-->

13.00

13.10

13.20





#10

Acenaphthylene

Concen: 0.859 ng/ul

RT: 14.74 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

Instrument :

BNA_M

ClientSampleId :

SP5331

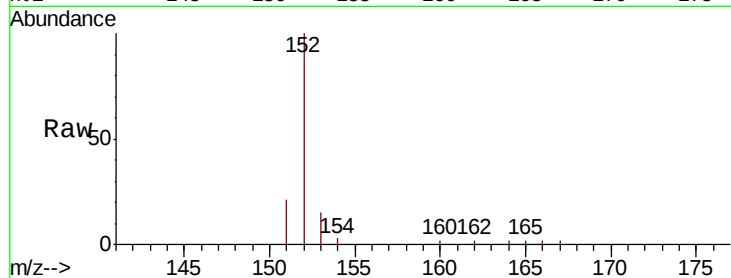
Tot Ion:152 Resp: 3649

Ion Ratio Lower Upper

152 100

151 20.5 17.8 26.8

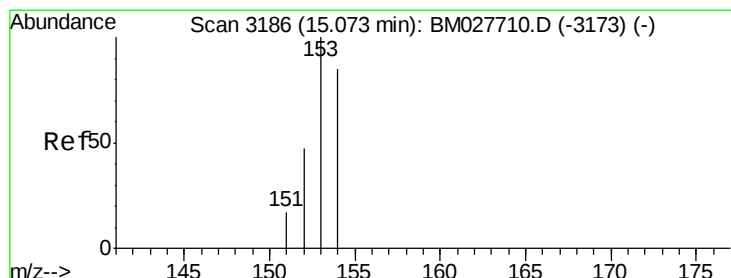
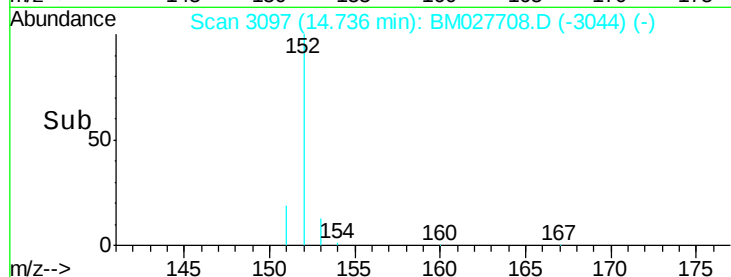
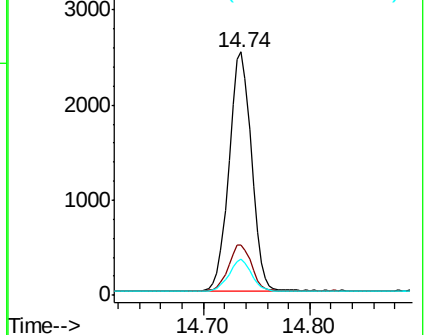
153 14.7 13.5 20.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Acenaphthene

Concen: 0.868 ng/ul

RT: 15.07 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

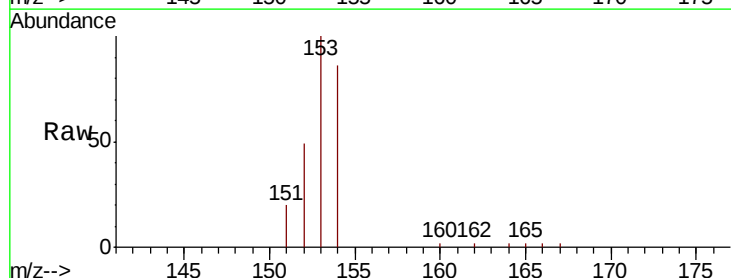
Tgt Ion:153 Resp: 2801

Ion Ratio Lower Upper

153 100

152 48.6 40.6 60.8

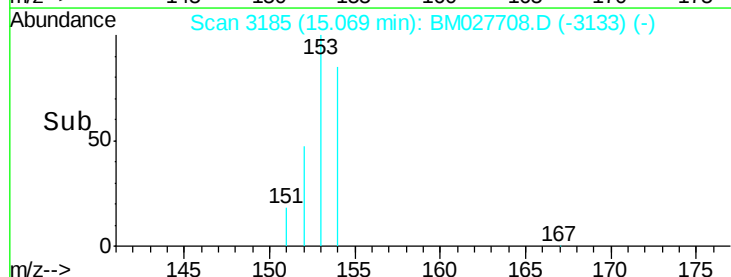
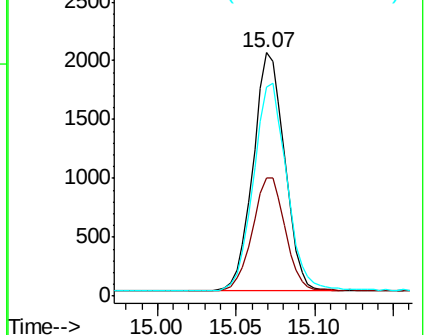
154 85.6 71.0 106.4

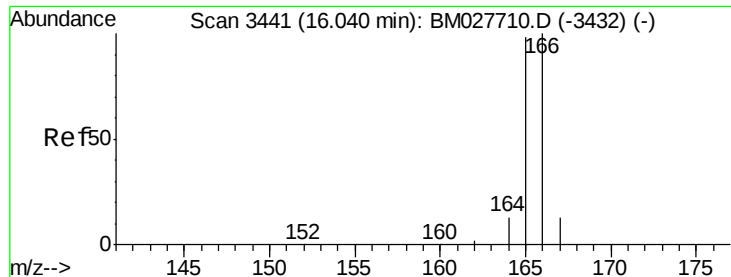


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.875 ng/ul

RT: 16.04 min Scan# 3441

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

Instrument :

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ClientSampleId :

SP5331

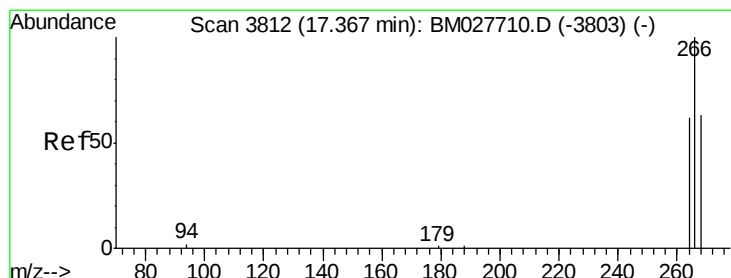
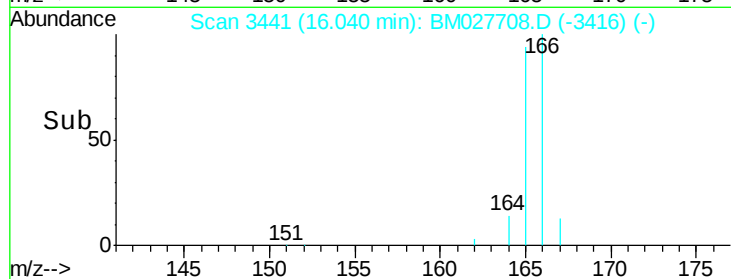
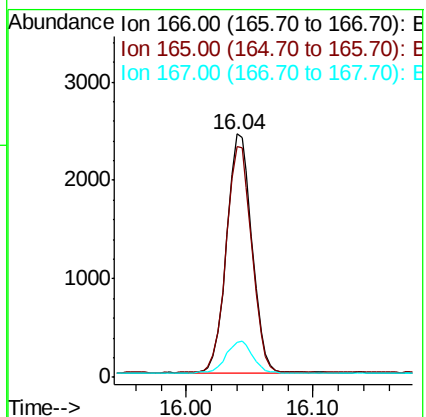
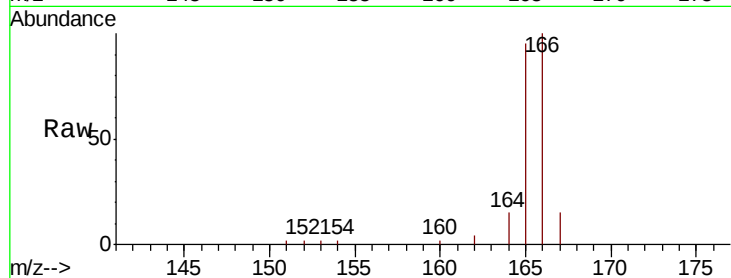
Tot Ion:166 Resp: 3340

Ion Ratio Lower Upper

166 100

165 94.6 76.2 114.4

167 14.5 13.7 20.5



#14

Pentachlorophenol

Concen: 2.685 ng/ul

RT: 17.36 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

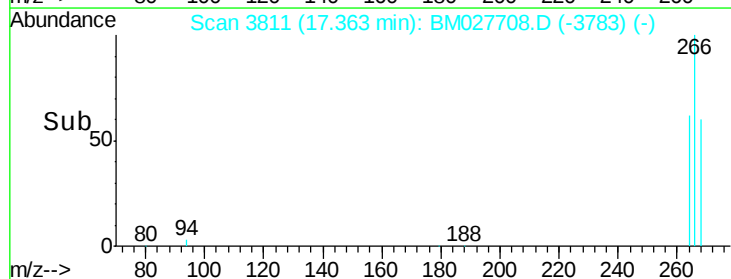
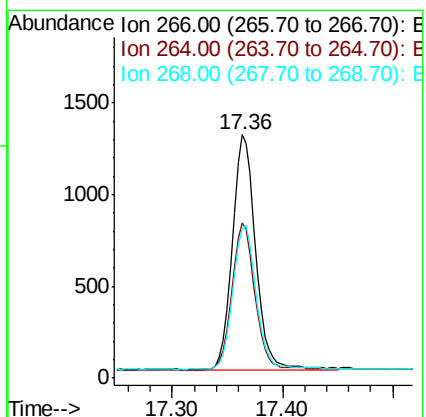
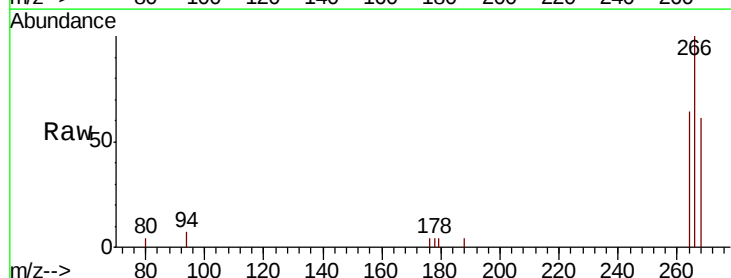
Tgt Ion:266 Resp: 1862

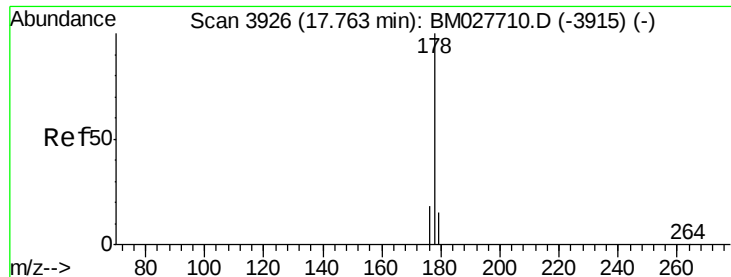
Ion Ratio Lower Upper

266 100

264 62.2 48.2 72.4

268 61.9 53.4 80.0





#15

Phenanthrene

Concen: 0.850 ng/ul

RT: 17.76 min Scan# 3926

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

Instrument :

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ClientSampleId :

SP5331

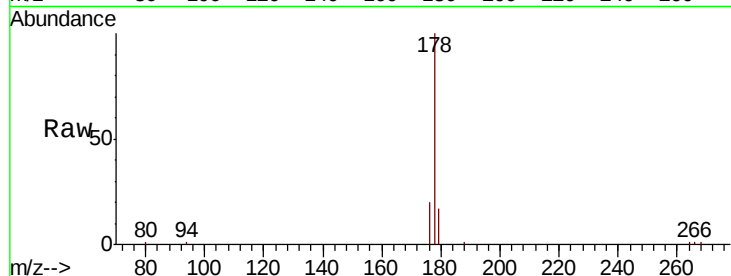
Tot Ion:178 Resp: 5217

Ion Ratio Lower Upper

178 100

179 16.5 14.6 22.0

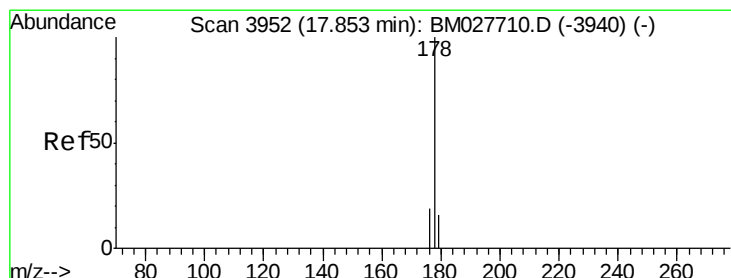
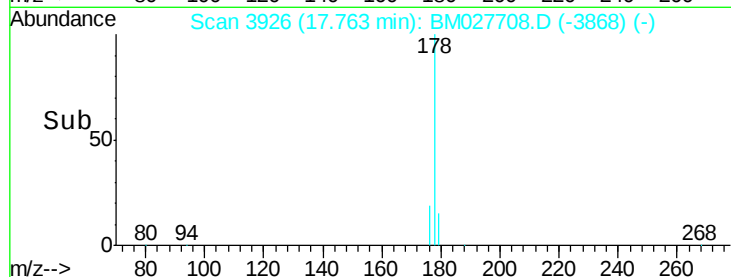
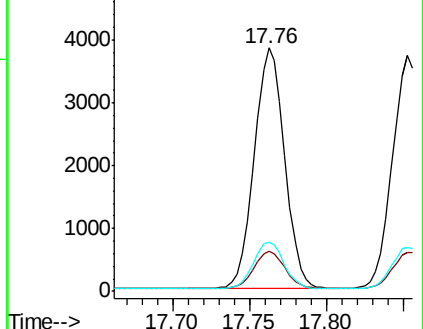
176 20.2 18.2 27.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 0.860 ng/ul

RT: 17.85 min Scan# 3952

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

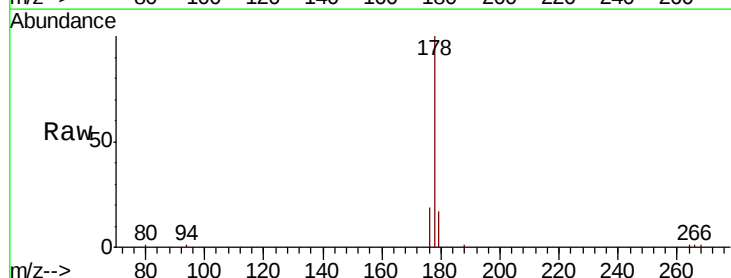
Tgt Ion:178 Resp: 5180

Ion Ratio Lower Upper

178 100

179 16.5 14.1 21.1

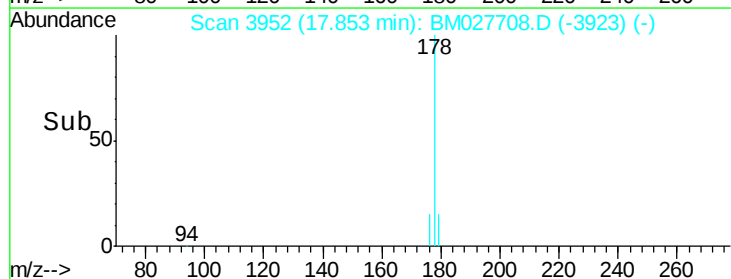
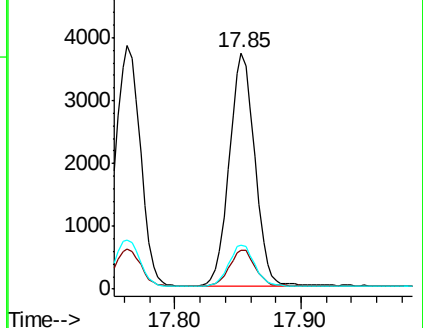
176 18.7 16.3 24.5

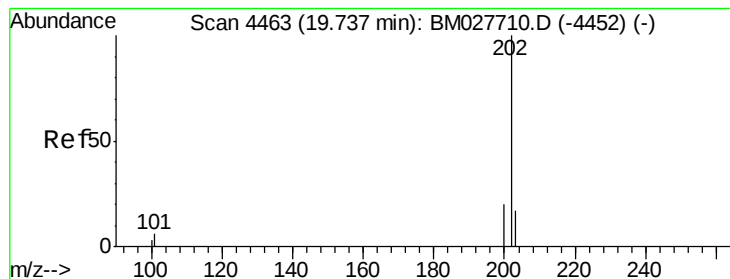


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.845 ng/ul

RT: 19.74 min Scan# 4463

Delta R.T. -0.00 min

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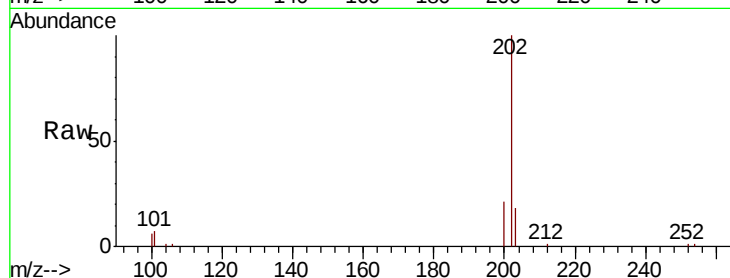
Tot Ion:202 Resp: 6047

Ion Ratio Lower Upper

202 100

101 7.3 6.1 9.1

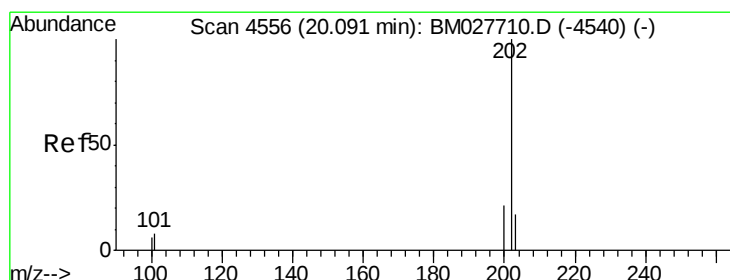
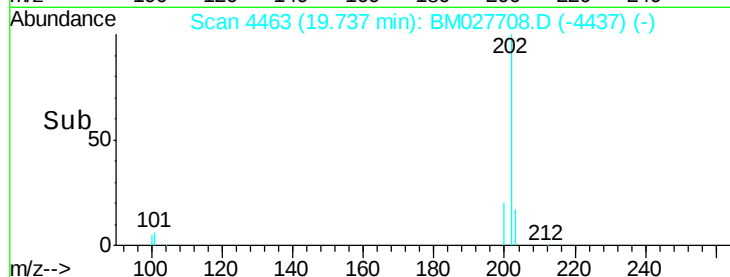
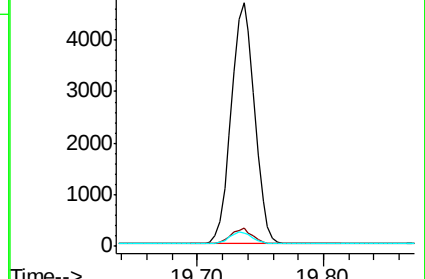
100 5.6 5.8 8.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 0.874 ng/ul

RT: 20.09 min Scan# 4556

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

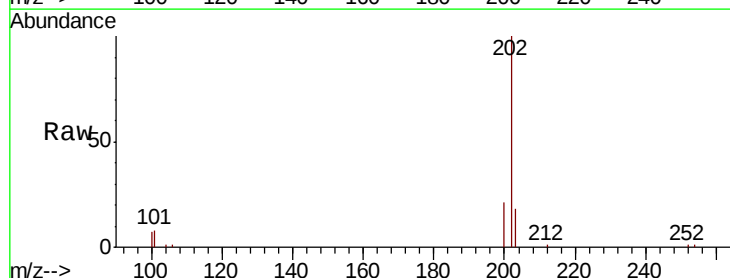
Tgt Ion:202 Resp: 6091

Ion Ratio Lower Upper

202 100

101 8.4 7.4 11.0

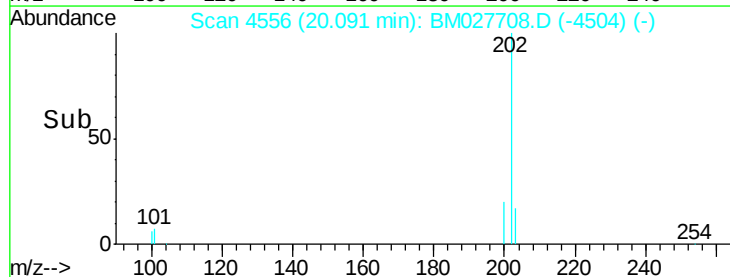
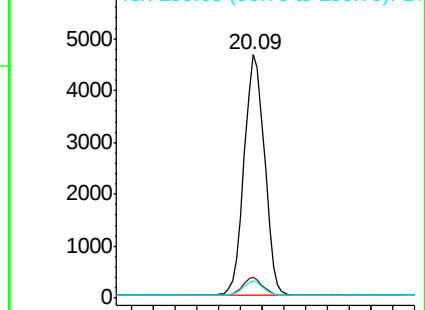
100 7.2 6.6 9.8

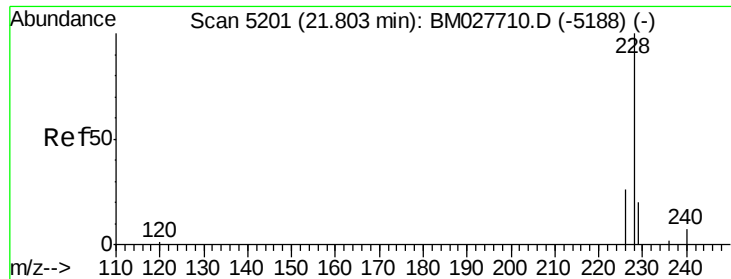


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

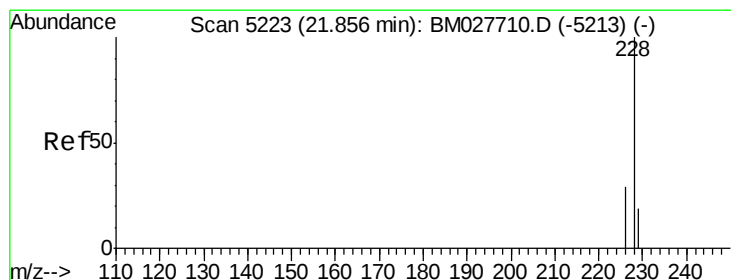
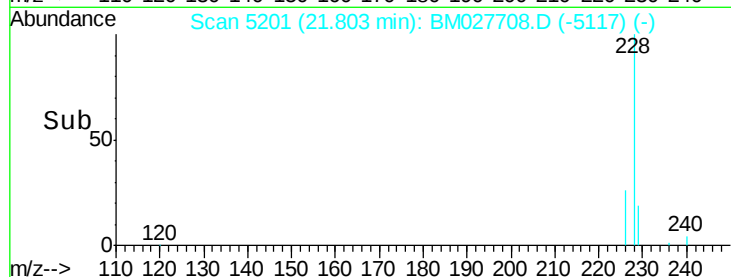
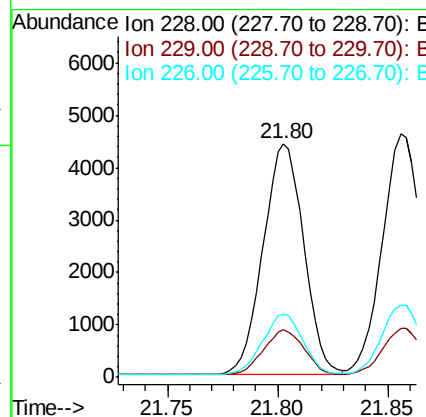
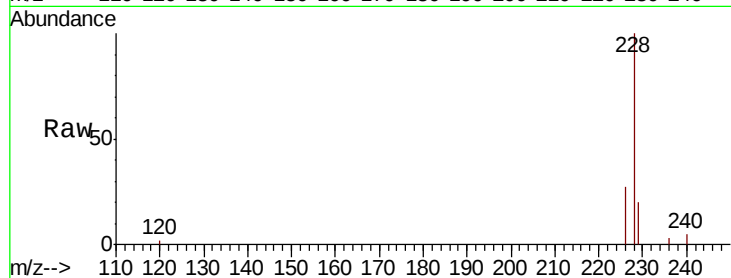




#21
Benzo(a)anthracene
Concen: 0.868 ng/ul
RT: 21.80 min Scan# 5201
Delta R.T. 0.00 min
Lab File: BM027708.D
Acq: 05 Nov 2020 06:48

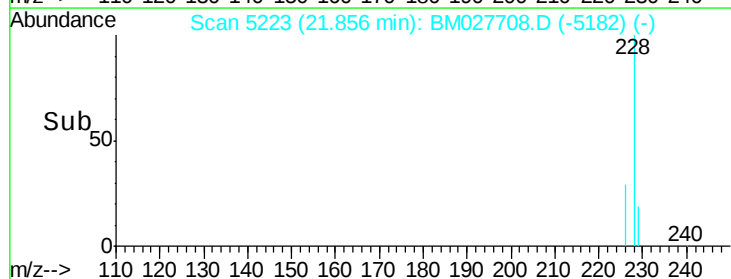
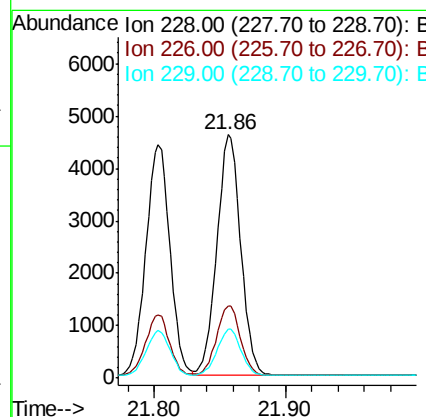
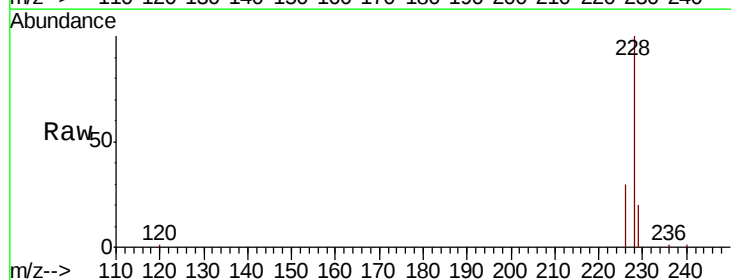
Instrument :
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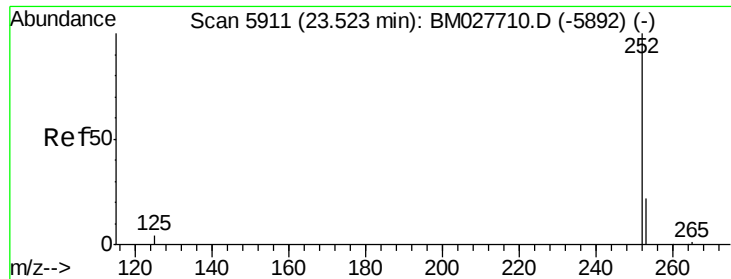
Tot Ion:228 Resp: 5673
Ion Ratio Lower Upper
228 100
229 20.4 17.0 25.4
226 27.1 22.0 33.0



#22
Chrysene
Concen: 0.873 ng/ul
RT: 21.86 min Scan# 5223
Delta R.T. -0.00 min
Lab File: BM027708.D
Acq: 05 Nov 2020 06:48

Tgt Ion:228 Resp: 5852
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 20.0 16.9 25.3





#24

Benzo(b)fluoranthene

Concen: 0.875 ng/ul

RT: 23.52 min Scan# 5909

Delta R.T. -0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

Instrument :

BNA_M

ClientSampleId :

SP5331

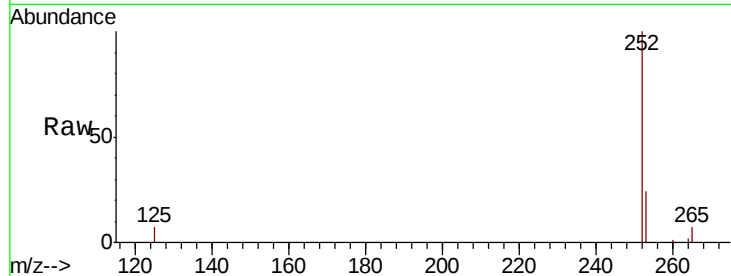
Tot Ion:252 Resp: 5609

Ion Ratio Lower Upper

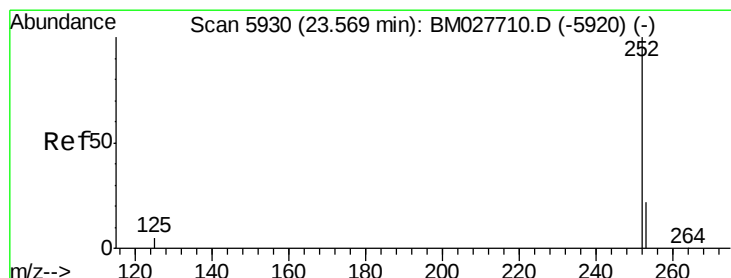
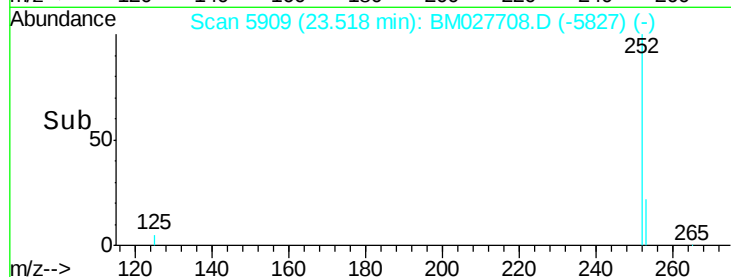
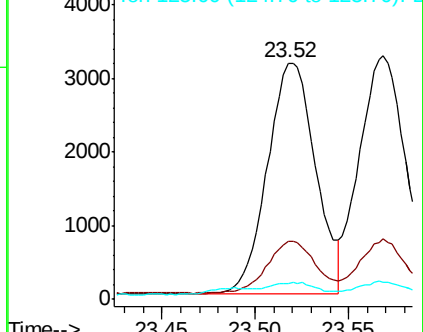
252 100

253 24.4 0.0 53.0

125 6.9 0.0 17.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#25

Benzo(k)fluoranthene

Concen: 0.872 ng/ul

RT: 23.57 min Scan# 5930

Delta R.T. 0.00 min

Lab File: BM027708.D

Acq: 05 Nov 2020 06:48

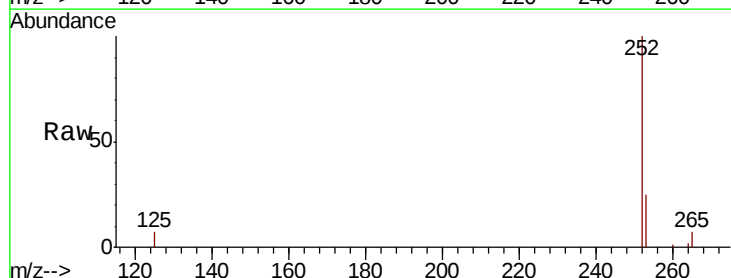
Tgt Ion:252 Resp: 5566

Ion Ratio Lower Upper

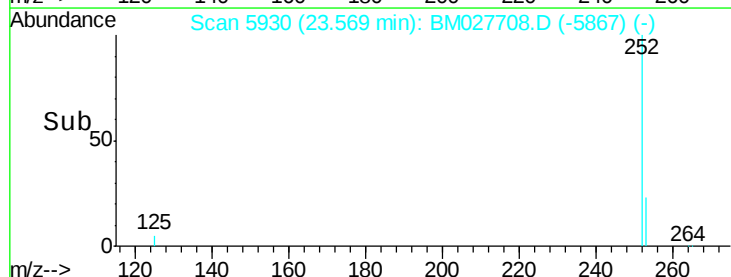
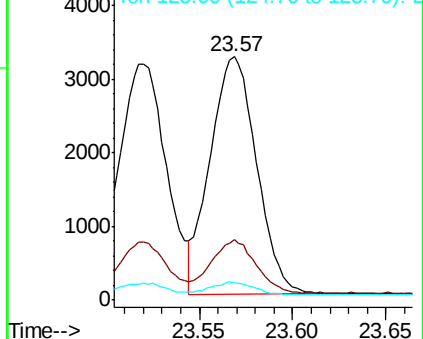
252 100

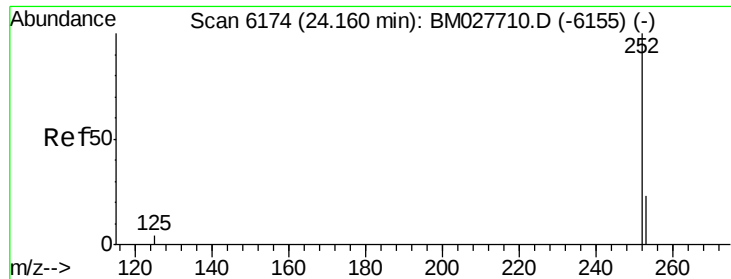
253 24.8 21.4 32.2

125 7.2 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

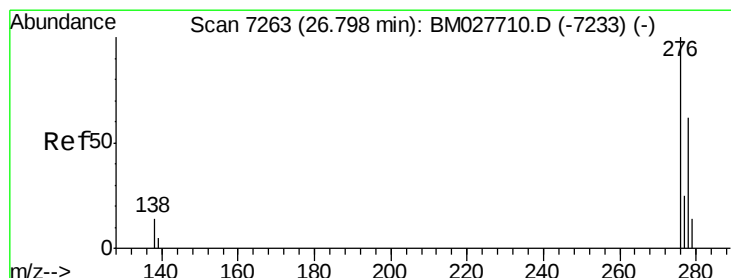
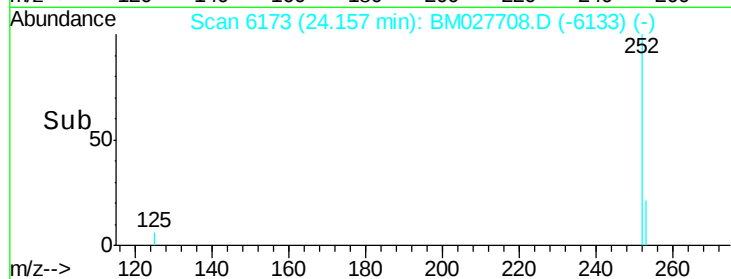
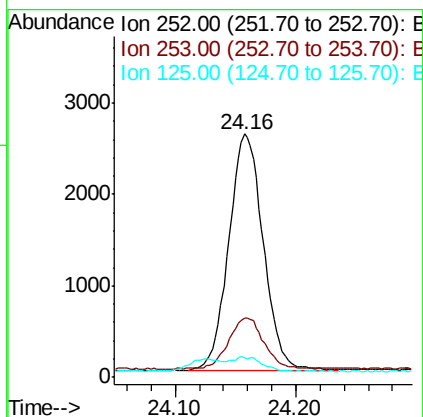
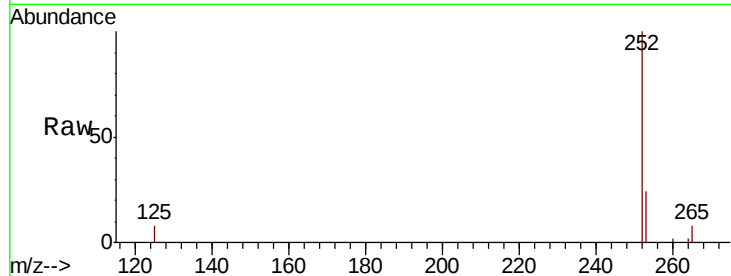




#26
Benzo(a)pyrene
Concen: 0.882 ng/ul
RT: 24.16 min Scan# 6173
Delta R.T. -0.00 min
Lab File: BM027708.D
Acq: 05 Nov 2020 06:48

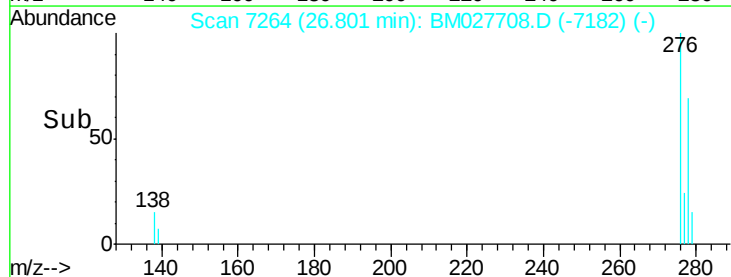
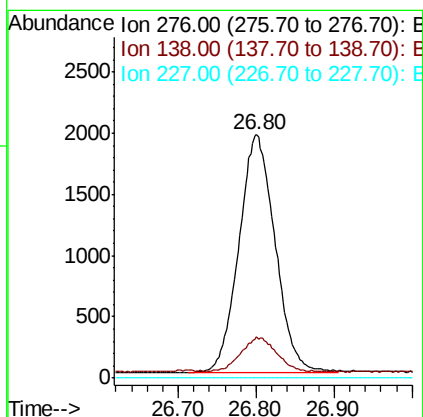
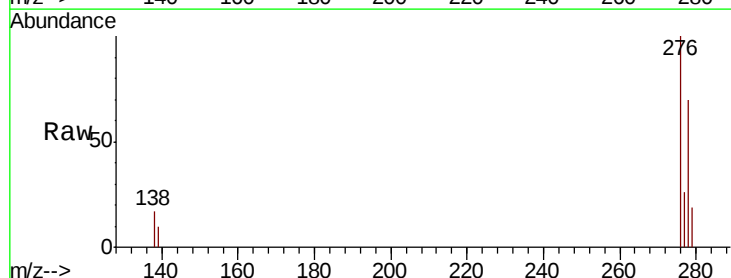
Instrument :
BNA_M
ClientSampleId :
SP5331

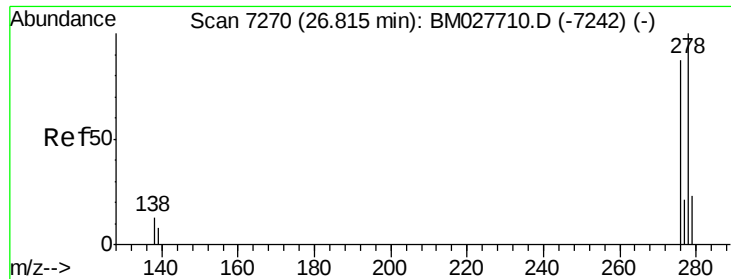
Tot Ion:252 Resp: 5116
Ion Ratio Lower Upper
252 100
253 24.4 22.3 33.5
125 8.2 8.8 13.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.916 ng/ul
RT: 26.80 min Scan# 7264
Delta R.T. -0.00 min
Lab File: BM027708.D
Acq: 05 Nov 2020 06:48

Tgt Ion:276 Resp: 6251
Ion Ratio Lower Upper
276 100
138 14.3 11.0 16.6
227 0.0 0.0 0.0



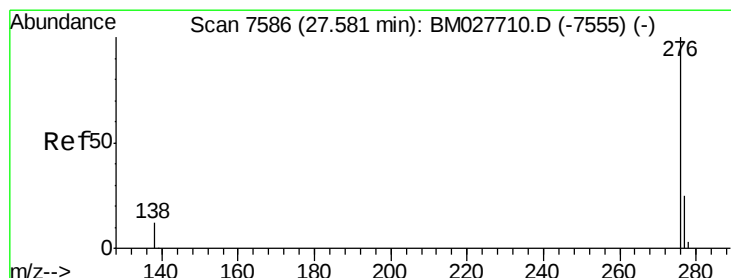
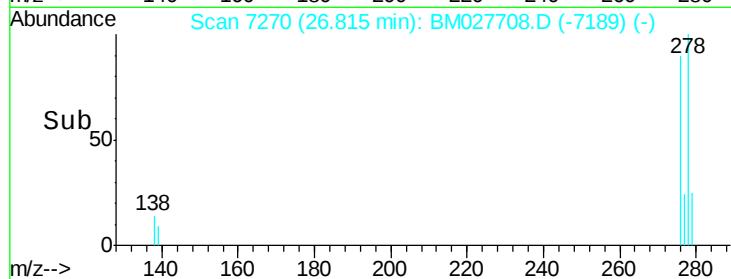
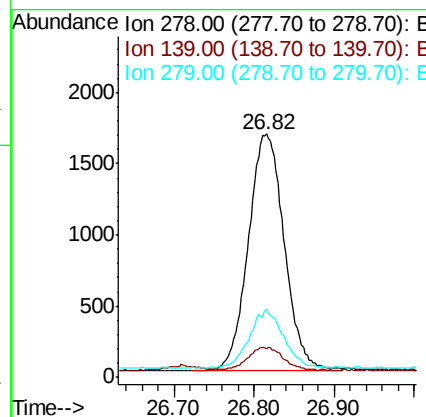
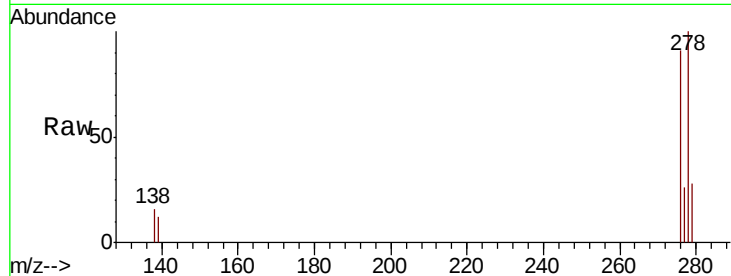


#28

Dibenzo(a,h)anthracene
Concen: 0.919 ng/ul
RT: 26.82 min Scan# 7270
Delta R.T. -0.00 min
Lab File: BM027708.D
Acq: 05 Nov 2020 06:48

Instrument :
BNA_M
ClientSampleId :
SP5331

Tot Ion:278 Resp: 5212
Ion Ratio Lower Upper
278 100
139 11.9 12.6 18.8#
279 27.9 24.3 36.5



#29

Benzo(g,h,i)perylene
Concen: 0.912 ng/ul
RT: 27.59 min Scan# 7588
Delta R.T. -0.00 min
Lab File: BM027708.D
Acq: 05 Nov 2020 06:48

Tgt Ion:276 Resp: 5240
Ion Ratio Lower Upper
276 100
138 14.9 15.0 22.4#
277 26.8 24.2 36.2

